

# *Project Baseline Summary Report*

Data Source: **EM CDB**

Operations/Field Office: **Albuquerque**

Site Summary Level: **Kansas City Plant**

Project **AL007 / Kansas City Environmental Restoration Project**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0466**

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## **General Project Information**

### **Project Description Narratives**

#### **Purpose, Scope, and Technical Approach:**

Definition of Scope: Completing cleanup activities will involve:

- a. Treating approximately 14 million gallons of contaminated groundwater annually.
- b. Removing and landfilling approximately 2907 cubic meters of RCRA soil and debris.

Technical Approach: Contaminated soil will be remediated based on risk. Where little risk to human health and the environment exists, exposure risks will be managed through institutional controls. Institutional controls include physical and procedural controls to protect workers from inadvertent exposure to contaminated soil or groundwater. Significant contamination in soil above the water table will be excavated and landfilled in certified off-site disposal facilities. Contaminated groundwater will be treated by an ultra-violet light, hydrogen peroxide treatment system prior to discharge into the sanitary sewer system. This system will be scheduled for potential upgrades every 3 years (if necessary) beginning in FY 2003. Alternative cleanup technologies such as deep-soil mixing, and zero-valent iron filings will be utilized where proven to cost-effectively reduce risk.

A passive, in-situ groundwater treatment system utilizing zero-valent iron filings has been installed as a Technology Deployment Program project.

#### **Project Status in FY 2006:**

The Resource Conservation and Recovery Act Corrective Action Program will be complete for all sites. Soil remediation is scheduled to be completed by FY 2004. Groundwater treatment and monitoring will continue until three consecutive years of not exceeding Maximum Contamination Levels can be demonstrated or an alternative can be agreed to by the regulators.

#### **Post-2006 Project Scope:**

Groundwater treatment and monitoring will continue until three consecutive years of not exceeding Maximum Contamination Levels can be demonstrated or an alternative can be agreed to by the regulators. Innovative, in-situ groundwater /soil treatment methods are reviewed as they become available.

Based on Environmental Protection Agency guidance, it is estimated that tens to hundreds of pore volumes will need to be removed to achieve clean-up. Based on current interceptor systems plume pore volume removal rates, hundreds to thousands of years of groundwater pump and treat will be required for alluvial aquifer restoration.

#### **Project End State**

All projects necessary to meet the "complete" criteria are scheduled for completion by the end of FY 2004. "Complete" criteria applicable to the KCP includes "All releases to the environment have been cleaned up in accordance with agreed upon cleanup standards" and "groundwater contamination has been contained, and long term treatment or monitoring is in place."

Land: For the various projects at the KCP, contamination has been contained or removed, and cleanup levels are determined for each individual

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## **Project Description Narratives**

project based on the nature of the contaminant and proximity of the contamination to receptors.

Groundwater: Cleanup levels are Maximum Concentration Levels. Long term monitoring, and possibly treatment, is expected for hundreds of years at the present remediation rate due to the presence of DNAPLs (Dense Non-Aqueous Phase Liquids).

Facilities: There are no Environmental Restoration facilities at the KCP.

### **Cost Baseline Comments:**

Environmental Restoration costs are bottoms-up activity-based estimates. Contingency rates for each project have been developed and applied. Costs are escalated at the following rates (compounded): FY 1997 - 0%, FY 1998 -FY 2070 2.10%. For the purpose of budgeting in outyears, it is assumed that regulators will require excavation and disposal of contaminated soils under 95th Terrace, but will approve use of institutional controls to manage contamination under Bannister Road. Additional funding has been identified for potential refurbishment/ upgrades (if necessary) to the groundwater treatment system.

The Closure of Release Sites and funding profiles do not have a direct correlation. By EM definition, closure is counted when a Release Site is submitted to the regulator for No Further Action (NFA) designation. This does not constitute all work scope associated with that Release Site, as many technical/regulatory support functions are required after submittal of NFA. In addition, most closures, upon regulatory approval, will require permit modifications with public participation. There are also costs for Project close-out and transition activities. Such activities include records collection, administrative record update, archiving, and worker transition. In addition, some of the more complex and expensive Release Sites are scheduled for completion later in the program. Consequently, there is not always a strong correlation between funding and closure of Release Sites.

### **Safety & Health Hazards:**

Kansas City Plant has no direct funded EM Safety and Health dollars. Safety and Health is funded by Defense Programs.

### **Safety & Health Work Performance:**

Kansas City Plant has no direct funded EM Safety and Health dollars. Safety and Health is funded by Defense Programs.

### **PBS Comments:**

The Kansas City Plant Environmental Restoration program is a part of the Headquarter's (EM-40) Small Sites Initiative. This initiative seeks to prioritize funding for site's which can complete cleanup activities by the end of FY 1999. The Kansas City Plant is not included as a high visibility project.

### **Baseline Validation Narrative:**

The Kansas City Plant Environmental Restoration technical scope, cost, and schedule was validated in February 1992 by the Department of Energy Albuquerque Operations Office when the baseline was formally reviewed. Since that time, the scope, cost, and schedule has been modified and these modifications reviewed through baseline change control. Additional program reviews and validations such as EM-40 Cost Quality Management Assessments (March 1992), Independent Cost Evaluation (March 1993), and Major Systems Acquisition (May 1993) validations have been

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## Project Description Narratives

conducted. In addition, an AL Environmental Restoration Division (ERD) Baseline review has been conducted (November 1996, August 1997, and November 1998).

Cost estimates are reviewed by a cross-functional team. The team is responsible for reviewing technical scope and costs. This process was approved by the CQMA team.

## General PBS Information

<b>Project Validated?</b>	Yes	<b>Date Validated:</b>	2/1/1992					
<b>Has Headquarters reviewed and approved project?</b>	No							
<b>Date Project was Added:</b>	12/1/1997							
<b>Baseline Submission Date:</b>	7/1/1999							
<b>FEDPLAN Project?</b>	No							
<b>Drivers:</b>	<b>CERCLA</b>	<b>RCRA</b>	<b>DNFSB</b>	<b>AEA</b>	<b>UMTRCA</b>	<b>State</b>	<b>DOE Orders</b>	<b>Other</b>
	N	Y	N	N	N	Y	Y	N

## Project Identification Information

<b>DOE Project Manager:</b>	G. P. Keary
<b>DOE Project Manager Phone Number:</b>	816-997-7288
<b>DOE Project Manager Fax Number:</b>	816-997-7310
<b>DOE Project Manager e-mail address:</b>	pkeary@kcp.com
<b>Is this a High Visibility Project (Y/N):</b>	

## Planning Section

### Baseline Costs (in thousands of dollars)

	<b>1997-2006 Total</b>	<b>2007-2070 Total</b>	<b>1997-2070 Total</b>	<b>1997</b>	<b>Actual 1997</b>	<b>1998</b>	<b>Actual 1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
PBS Baseline (current year dollars)	33,741	199,499	233,240	3,148	2,738	4,922	2,924	1,756	1,100	3,500	7,451	7,223	1,417	1,447	1,777

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## Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (constant 1999 dollars)	31,870	82,108	113,978	3,148	2,738	4,922	2,924	1,756	1,071	3,338	6,960	6,608	1,270	1,270	1,527	
PBS EM Baseline (current year dollars)	33,741	199,499	233,240	3,148	2,738	4,922	2,924	1,756	1,100	3,500	7,451	7,223	1,417	1,447	1,777	
PBS EM Baseline (constant 1999 dollars)	31,870	82,108	113,978	3,148	2,738	4,922	2,924	1,756	1,071	3,338	6,960	6,608	1,270	1,270	1,527	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	1,508	1,540	1,879	1,605	9,124	9,715	10,994	12,075	12,974	14,600	16,055	17,361	19,437	21,402	23,269	25,961
PBS Baseline (constant 1999 dollars)	1,270	1,270	1,517	1,270	6,784	6,510	6,639	6,574	6,366	6,457	6,399	6,237	6,294	6,247	6,120	6,154
PBS EM Baseline (current year dollars)	1,508	1,540	1,879	1,605	9,124	9,715	10,994	12,075	12,974	14,600	16,055	17,361	19,437	21,402	23,269	25,961
PBS EM Baseline (constant 1999 dollars)	1,270	1,270	1,517	1,270	6,784	6,510	6,639	6,574	6,366	6,457	6,399	6,237	6,294	6,247	6,120	6,154

## Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070

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2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

## Project Reconciliation

### Project Completion Date Changes:

Previously Projected End Date of Project:

Current Projected End Date of Project: 9/30/2070

Explanation of Project Completion Date Difference (if applicable):

Results of the RFI Report on 95th Terrace assumes remediation activities will be required, extending program completion to FY 2004.

### Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	83,331	Actual 1997 Cost:	2,738	Actual 1998 Cost:	2,924
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	77,669	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):			2,097
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	79,766				

### Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):	2,136	Result of reduced escalation rate
Cost Associated with New Scope (+):	28,373	Remediation activities at 95th Terr. Support costs increased for Program Mngmt. and Groundwater.
Cost Growth Associated with Scope Previously Reported (+):		
Cost Reductions Due to Science & Technology Efficiencies (-):	100	Deployment of the Iron Wall to treat VOCs realized cost savings.
Subtotal:	105,903	
Additional Amount to Reconcile (+):	5	Increases to labor rates are included in New Scope.
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	105,908	

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## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Outfall 001/N.E. Area - Submit Confirmation Study to EPA			9/29/1999								
Groundwater Treatment & Monitoring -2003 Annual Report			3/1/2004	3/1/2004			Y				
Groundwater Treatment & Monitoring -2002 Annual Report			3/1/2003	3/1/2003			Y				
Groundwater Treatment & Monitoring -2001 Annual Report			3/1/2002	3/1/2002			Y				
Groundwater Treatment & Monitoring - 2000 Annual Report			3/1/2001	3/1/2001			Y				
Groundwater Treatment & Monitoring - 1999 Annual Report			3/1/2000	3/1/2000			Y				
Remediation Technology Evaluation Proj. - Compl. CMI Program Plan			10/21/1999								
95th Terrace Site - CMS			9/30/1999								
MVRSS - Complete Interim Measures			4/30/1999		4/30/1999						
MVRSS - Submit IM Report to EPA			4/29/1999		2/19/1999						
Groundwater Treatment & Monitoring - 1998 Annual Report			3/1/1999	3/1/1999			Y				
D/26 - Start Remediation			1/4/1999								
TCE Still Area Soils-Submit IM Report to EPA (TCE Still Location)			3/31/1998			12/17/1998					
Outfall 001/N.E. Area - Complete Remediation			9/30/1999								
Groundwater Treatment & Monitoring -2004 Annual Report			3/1/2005	3/1/2005			Y				
Planned End State			9/30/2004								

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Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Testing al007			11/13/1999	2/13/1999			Y				Y
Project Start			1/1/1986								
Mission Complete Milestone			9/30/2070								
95th Terrace-CMI			11/12/2003							Y	

## Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
Outfall 001/N.E. Area - Submit Confirmation Study to EPA											Outfall 001/N.E. Area - Submit Confirmation Study to EPA
Groundwater Treatment & Monitoring -2003 Annual Report											Groundwater Treatment & Monitoring -2003 Annual Report
Groundwater Treatment & Monitoring -2002 Annual Report											Groundwater Treatment & Monitoring -2002 Annual Report
Groundwater Treatment & Monitoring -2001 Annual Report											Groundwater Treatment & Monitoring -2001 Annual Report
Groundwater Treatment & Monitoring - 2000 Annual Report											Groundwater Treatment & Monitoring - 2000 Annual Report
Groundwater Treatment & Monitoring - 1999 Annual Report											Groundwater Treatment & Monitoring - 1999 Annual Report
Remediation Technology Evaluation Proj. - Compl. CMI Program Plan											Remediation Technology Evaluation Proj. - Compl. CMI Program Plan
95th Terrace Site - CMS											95th Terrace Site - CMS
MVRSS - Complete Interim Measures											MVRSS - Complete Interim Measures
MVRSS - Submit IM Report to											MVRSS - Submit IM Report to EPA

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## Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
EPA											
Groundwater Treatment & Monitoring - 1998 Annual Report											Groundwater Treatment & Monitoring - 1998 Annual Report
D/26 - Start Remediation										Y	D/26 - Start Remediation
TCE Still Area Soils-Submit IM Report to EPA (TCE Still Location)											TCE Still Area Soils-Submit IM Report to EPA (TCE Still Location)
Outfall 001/N.E. Area - Complete Remediation											Outfall 001/N.E. Area - Complete Remediation
Groundwater Treatment & Monitoring -2004 Annual Report											Groundwater Treatment & Monitoring -2004 Annual Report
Planned End State						Y					investigation and remediation complete
Testing al007							1	1	5	Y	
Project Start				Y							The start of the project.
Mission Complete Milestone					Y						LTSM continuous operations.
95th Terrace-CMI											Corrective measures implementation.

## Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
<b>RS</b>														
Assess.	NR	0.00	0.00	0.00	3.00		1.00							
<b>RS</b>														
Cleanup	NR	4.00	0.00	4.00	35.00			4.00						

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## Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
Rem. Waste														
Disposed	M3	3,479.07	136.80	3,615.87	0.00		0.00	526.47	5.70	5.70	5.70	5.70	2,912.70	5.70
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	Planned 2036 - 2040
RS														
Assess.	NR													
RS														
Cleanup	NR													
Rem. Waste														
Disposed	M3	5.70	5.70	5.70	5.70	5.70	5.70	5.70	28.50	28.50	28.50	28.50		
Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total				
RS														
Assess.	NR								36.00	40.00				
RS														
Cleanup	NR									40.00				
Rem. Waste														
Disposed	M3								0.00	3,089.70				

## Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
KSCP	0001		SWMU 42 \ SWMU 42 95TH TERRACE SITE	Waste/Trenches / Outfalls	1999	1997	3/30/1997	2004		3/31/1998	1995	N	Pending	N

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KSCP	0002		SWMU 14 \ SWMU 14 OLD 002 OUTFALL (AICO)	Waste/Trenches / Outfalls				1994		9/30/1994	1989	N		N
KSCP	0003		SWMU 15 \ SWMU 15 NEW 002 OUTFALL	Waste/Trenches / Outfalls				1989		9/30/1989	1989	N		N
KSCP	0004		SWMU 31 \ SWMU 31 DEPARTMENT 26 - INSIDE	Spills and Leaks/Surface Spills				1995		11/30/1995	1989	N		N
KSCP	0005		SWMU 32 \ SWMU 32 DEPARTMENT 27 - INSIDE	Spills and Leaks/Surface Spills				1995		11/30/1995	1989	N		N
KSCP	0006		SWMU 30 \ SWMU 30 DEPARTMENT 27 - OUTSIDE	Tanks/Underground Storage Tanks				1993		9/30/1993	1989	N		N
KSCP	0007		SWMU 17 \ SWMU 17 BLDG 54	Spills and Leaks/Surface Spills				1995		11/30/1995	1989	N		N
KSCP	0008		SWMU 36 \ SWMU 36 MAIN VEHICLE REPAIR SHOP SUMP	Spills and Leaks/Surface Spills		1996	9/30/1996	1998	1998	3/31/1998	1991	N		N
KSCP	0009	R	SWMU 1 \ SWMU 1 UNDERGROUND TANK FARM	/				1988			1989	N		N
KSCP	0010		SWMU 18 \ SWMU 18 NORTH LOT	Spills and Leaks/Surface Spills				1993		9/30/1993	1989	N		N
KSCP	0011		SWMU 19 \ SWMU 19 BLDG 16 UNDERGROUND PIT (PCB'S)	Spills and Leaks/Surface Spills				1993		9/30/1993	1989	N		N
KSCP	0012		SWMU 20 \ SWMU 20 ABANDONED FUEL LINES	Spills and Leaks/Pipeline Leaks				1994		10/6/1994	1989	N		N
KSCP	0013		SWMU 21 \ SWMU 21 FUEL OIL TANK UNLOADING AREA	Spills and Leaks/Surface Spills				1994		10/6/1994	1989	N		N
KSCP	0014		SWMU 22 \ SWMU 22 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0015		SWMU 23 \ SWMU 23 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N

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KSCP	0016		SWMU 24 \ SWMU 24 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0017		SWMU 25 \ SWMU 25 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0018		SWMU 26 \ SWMU 26 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0019		SWMU 27 \ SWMU 27 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0020		SWMU 28 \ SWMU 28 MISC. SPILL DUMP LOCATIONS	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0021		SWMU 29 \ SWMU 29 SOUTHEAST PARKING LOT	Waste/Landfills				1989		9/30/1989	1989	N		N
KSCP	0022		SWMU 34 \ SWMU 34 SANITARY SEWER PUMP STATION	Spills and Leaks/Surface Spills				1989		9/30/1989	1989	N		N
KSCP	0023		SWMU 35 \ SWMU 35 EAST BOILER HOUSE	Buildings & Equipment/Other Buildings				1996		8/30/1996	1993	N		N
KSCP	0024		SWMU 5 \ SWMU 5 NORTH LAGOON (RCRA 5)	Liquid Surface Impoundments/Lagoons				1994		9/30/1994	1989	N		N
KSCP	0025		SWMU 6 \ SWMU 6 OLD PONDS	Liquid Surface Impoundments/Holding Ponds				1994		9/30/1994	1989	N		N
KSCP	0026		SWMU 7 \ SWMU 7 NORTH LAGOON TRENCH AREA	Surface and Groundwater/Groundwater Plumes				1994		9/30/1994	1989	N		N
KSCP	0027		SWMU 8 \ SWMU 8 OUTFALL 001 RACEWAY	Waste/Trenches / Outfalls				1994		9/30/1994	1989	N		N
KSCP	0028		SWMU 10 \ SWMU 10 WASTE OIL TANK UNDER PLATING BLDG	Tanks/Underground Storage Tanks				1995		12/21/1995	1989	N		N

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## Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
KSCP	0029		SWMU 11 \ SWMU 11 SUBSTATION 18N OF PLATING BLDG	Buildings & Equipment/Equipment				1995		12/21/1995	1989	N		N
KSCP	0030		SWMU 12 \ SWMU 12 DEPARTMENT 26 OUTSIDE	Spills and Leaks/Surface Spills				1996		9/30/1996	1989	N		N
KSCP	0031		SWMU 9 \ SWMU 9 BLDG 57 ACID AND ALKALINE TANKS	Spills and Leaks/Surface Spills				1996		9/30/1996	1989	N		N
KSCP	0032		SWMU 13 \ South Lagoon (RCRA 13)	Liquid Surface Impoundments/Lagoons				1994		9/30/1994	1989	N		N
KSCP	0033		SWMU 16 \ SWMU 16 SALES BUILDING	Spills and Leaks/Surface Spills				1995		11/30/1995	1989	N		N
KSCP	0034		SWMU 2 \ SWMU 2 TCE STILL LOCATION	Buildings & Equipment/Equipment		1996	9/30/1996	1998	1998	6/30/1998	1989	N		N
KSCP	0035		SWMU 3 \ SWMU 3 WASTE TRANSFER SPILL AREA	Spills and Leaks/Surface Spills				1995		11/30/1995	1989	N		N
KSCP	0036		SWMU 33 \ SWMU 33 OIL HOUSE	Surface and Groundwater/Groundwater Plumes		1996	9/30/1996	1998	1998	3/31/1998	1989	N		N
KSCP	0037	R	SWMU 37 \ SWMU 37 ABANDONED SUMP	/				1997			1991	N		N
KSCP	0038		SWMU 38 \ SWMU 38 BURIED DRUM SITE	Waste/Landfills				1995		9/30/1995	1996	N		N
KSCP	0039		SWMU 39 \ SWMU 39 DEPARTMENT 95	Spills and Leaks/Surface Spills				1995		11/30/1995	1993	N		N
KSCP	0040		SWMU 4 \ SWMU 4 CLASSIFIED WASTE TRENCHES	Waste/Trenches / Outfalls				1995		11/30/1995	1989	N		N
KSCP	0041		SWMU 40 \ SWMU 40 ALUMINIUM CHIP HANDLING FACILITY	Surface and Groundwater/Groundwater Plumes				1995		11/30/1995	1993	N		N

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

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# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Albuquerque**

Site Summary Level: **Kansas City Plant**

Project **AL007 / Kansas City Environmental Restoration Project**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0466**

## Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
KSCP	0042	R	SWMU 41 \ SWMU 41 DEPARTMENT 20 VAPOR DEGREASER PIT	/				1997			1993	N		N
KSCP	0043		SWMU 43 \ SWMU 43 TEST CELLS TANK	/				1998	1998	9/30/1998		N		

## Technology Needs

Site Need Code: AL-07-04-01-SC

Site Need Name: Non-Intrusive Removal of Polychlorinated Biphenols (PCBs) from Soil Both Above and Below the Water Table Underneath Buildings

Focus Area Work Package ID: SS-07

Focus Area Work Package: Vadose Zone Treatment Systems

Focus Area: SCFA

Agree with Technology Link: Y

Benefits (Cost, Risk Reduction, Both): Both

### Technologies

In Situ Chemical Oxidation Using Potassium Permanganate

Biodegradation of PCBS

Fenton's Reagent

### Cost Savings (in thousands of dollars)

### Range of Estimate

### Related CCP Milestones

### Related Waste Streams

### Agree?

### Change?

00699: AB - TCE Still Area PCB/RCRA Debris

Y

N

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

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